COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

ONLINE DOCUMENT REQUEST SYSTEM FOR BARANGAY AMUNGAN, IBA, ZAMBALES

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A Capstone Project

in Partial Fulfillment of the Requirements for the

degree of Bachelor of Science in Information Technology

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APPROVAL SHEET

This study, entitled **"AMUNGAN ONLINE DOCUMENT REQUEST SYSTEM FOR BARANGAY AMUNGAN, IBA, ZAMBALES"** prepared and submitted by **Justin Rhollene E. Camuyong, John Paul Dela Cruz, Mathew Reubeus Laurence C. Espejo, John Daniel A. Maliberan,** and **Leonardo I D. Soriano,** in partial fulfillment of the requirements for the degree of **BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY,** is recommended for an oral examination.

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EXECUTIVE SUMMARY

The Amungan Online Document Request System is a web-based platform designed to streamline and simplify the process of requesting, managing, and distributing documents within the organization. This system aims to enhance efficiency, reduce administrative burdens, and ensure data security in the document request process. It is developed to address the specific needs of Amungan and improve overall document management.

The Amungan Online Document Request System offers a comprehensive solution to streamline document management processes, improve efficiency, and enhance security. By implementing this system, Amungan can reduce administrative overhead, increase transparency, and ensure compliance with document management policies.

With its user-friendly interface and powerful features, the system can significantly enhance document request and management processes within the organization, ultimately leading to improved productivity and data security.

This capstone project focused on implementing responsive web design to the ODRS of Amungan to make it more accessible to mobile devices. The research explored theories, concepts, and applications of responsive web design, such as flexbox design, grid layout, and media queries. It tested the built system on different mobile devices.

The study used the International Organization for Standardization/International Electrotechnical Commission (ISO/IEC) 25010:2011 metric as the quality standard to ensure the system's accessibility to various devices.

As for data gathering, it employed questionnaires and interview methods. The questionnaire evaluated the software quality of the proposed web-based app regarding functional suitability, performance efficiency, compatibility, usability, reliability, security, maintainability, and portability. It assessed the acceptability of the web-based software to the respondents. The interview method was used to gather data on the convenience of the proposed system for the staff and get feedback from staff and residents of Brgy. Amungan to improve the web functionality and design during development. There were 75 total respondents for this research, with 70 (93.33%) for Brgy. Amungan residents, and 5 (6.67%) for Brgy. Amungan personnel.

Based on the evaluation of Brgy. Amungan residents, the improved Online Document Request System had "Excellent" software quality. The system was "Acceptable" and it was "Ready" for implementation. On the evaluation of Brgy. Amungan staff, the improved Online Document Request System had "Excellent" software quality. The system was "Acceptable" and it was "Ready" for implementation.

Based on these findings, the study recommends many essential initiatives, including more training for admission workers on how to use the online admission system, as well as the implementation and integration of an expanded online document request system with existing systems. In addition, a feedback tool should be implemented to collect user comments and suggestions for future improvements. Given the rising usage of smartphones for business operations, it may be worthwhile to consider adding features such as user-admin interaction and SMS notifications to the system, as well as developing a mobile app or optimising the web interface for mobile devices. Finally, ensure that the

online document request mechanism is regularly updated to reflect current software development and admittance criteria.